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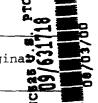
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No. AUS9-2000-0241-US1

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To the Assistant Commissioner for Patents: Please record the attached originab documents or copy thereof.

1. Name of conveying party(ies):

David William Boerstler Mark Edward Dean, Hung Cai Ngo, Andrew Christain Zimmerman 2. Name and address of receiving party(ies):

International Business Machines
Corporation
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Armonk New York 10504

	Armonk, New York 10504
3. Nature of conveyance:	
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4. Application number(s) or patent number	r(s): 09/03/718
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5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1
Casimer K. Salys IBM Corporation Intellectual Property Law Internal Zip 4054 11400 Burnet Road Austin, TX 78758	7. Total fee (37 CFR 3.41) \$ 40.00 X Authorized to be charged to deposit account
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ASSIGNMENT

Whereas, we,	
(1) <u>David William Boerstler</u> County of <u>Williamson</u>	of <u>Round Rock</u> , and State of <u>Texas</u> ,
and (2) <u>Mark Edward Dean</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
and (3) <u>Hung Cai Ngo</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
and (4) <u>Andrew Christian Zimmerman</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
have invented certain improvements i	
	FOR HIGH RESOLUTION FREQUENCY ISTAGE FREQUENCY SYNTHESIZER
(Dates Inventors Signed Declaration	ed States patent application therefore on on) (1) July 27 , 2000, and (2) (3) July 27 , 2000 and (4)
New York, having a place of busines called IBM), desires to acquire the	ESS MACHINES CORPORATION, a corporation of ss at Armonk, New York 10504, (hereinafter e entire right, title and interest in the to any United States and foreign patents
acknowledged, we, the above named, its successors and assigns, the entapplication and invention therein documenties, and all rights of priorit States application, and we request Letters Patent granted upon the in IBM, its successors and assigns; as foreign Letters Patent on said in	e consideration, receipt whereof is hereby hereby sell, assign, and transfer to IBM, tire right, title and interest in the said isclosed for the United States and foreign by resulting from the filing of said United the Commissioner of Patents to issue any evention set forth in said application to not we hereby agree that IBM may apply for invention and we will execute all papers whited States and foreign applications when
(1) Signed atAustin on	Dul William Bat
	David William Boerstler
and (2) Signed at on	, 2000.
	Mark Edward Dean

Page 1 of 2

Signed atAustin	on	JULY 27, 2000.	
		Hay aingo.	Hung Cai Ngo
Signed at _Austin	on	July 25, 2000.	
	How	Andrew Chris	<i>Stian Zimmerman</i>
			Signed at Austin on July 35, 2000.

ASSIGNMENT

Whereas, we,	
(1) <u>David William Boerstler</u> County of <u>Williamson</u>	of <u>Round Rock</u> , and State of <u>Texas</u> ,
and (2) <u>Mark Edward Dean</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
and (3) <u>Hung Cai Ngo</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
and (4) <u>Andrew Christian Zimmerman</u> County of <u>Travis</u>	of <u>Austin</u> , and State of <u>Texas</u> ,
have invented certain improvements i	.n
• • • • • • • • • • • • • • • • • • • •	FOR HIGH RESOLUTION FREQUENCY STAGE FREQUENCY SYNTHESIZER
(Dates Inventors Signed Declaration July 25, 2000, and 2000. Whereas, INTERNATIONAL BUSINES New York, having a place of busines called IBM), desires to acquire the	ed States patent application therefore on on) (1), 2000, and (2) (3), 2000 and (4), 2000 and (4)
acknowledged, we, the above named, its successors and assigns, the entapplication and invention therein documenties, and all rights of priorit States application, and we request Letters Patent granted upon the in IBM, its successors and assigns; and foreign Letters Patent on said in	e consideration, receipt whereof is hereby hereby sell, assign, and transfer to IBM, sire right, title and interest in the said isclosed for the United States and foreign by resulting from the filing of said United the Commissioner of Patents to issue any evention set forth in said application to and we hereby agree that IBM may apply for evention and we will execute all papers whited States and foreign applications when
(1) Signed atAustin on	, 2000.
and (2) Signed at YORK TOWN HACK	David William Boerstler 175 on JULY 25, 2000. Mark Edward Dean

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and (3)	Signed atAustin		on	, 2000.		
					Hung	Cai Ngo
and (4)	Signed at _Austin	on.		2000.		
			2 r	ndrew Christ	ian Zi	mmerman

Page 2 of 2